

WHAT IS CLAIMED IS:

1. A communication quality acquisition apparatus comprising:

5 an acquisition means for receiving the CDMA pilot channels sent from a plurality of wireless base stations through the use of spread signals different from each other and acquiring delay profile based on said spread signals in said CDMA pilot channels; and

10 a storage means for storing the delay profile acquired by said acquisition means.

2. The communication quality acquisition apparatus according to claim 1, wherein said acquisition means

15 comprises:

a synchronization means for establishing synchronization based on said spread signals in said CDMA pilot channels;

a measurement means for acquiring delay profile by
20 reverse spreading said spread signals in said CDMA pilot channels; and

a control means for controlling said synchronization means and measurement means.

25 3. The communication quality acquisition apparatus according to claim 1, wherein said storage means attaches the information of time and location to the delay profile

acquired by said acquisition means and stores the information in said storage means.

4. The communication quality acquisition apparatus
5 according to claim 2, wherein said control means controls
said synchronization means and measurement means based on
the conditions set by the user for initial error detection
check, re-synchronization of each mode, off-track check
and automatic re-synchronization check, or on information
10 set for the code that will be measured.

5. The communication quality acquisition apparatus
according to claim 2, wherein said control means controls
said measurement means based on the synchronization point
15 information acquired by said synchronization means.

6. The communication quality acquisition apparatus
according to claim 2, wherein said control means controls
said synchronization means based on the check results of
20 initial error detection, automatic re-synchronization or
off-track acquired by said measurement means.

7. A communication quality acquisition method
comprising:
25 the acquisition step of receiving CDMA channels sent
from a plurality of wireless base stations through the use
of spread signals different from each other and acquiring

delay profile based on said spread signals in said CDMA channels; and

the storage step of storing the delay profile acquired by said acquisition step.

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8. The communication quality acquisition method according to claim 7, wherein said acquisition step comprises:

the step of establishing synchronization based on said spread signals in said CDMA pilot channels;

the measurement step of acquiring delay profile by reverse spreading said spread signals in said CDMA pilot channels; and

the control step of controlling said synchronization step and measurement step.

9. The communication quality acquisition method according to claim 7, wherein at said storage step the information of time and location is attached to the delay profile acquired at said acquiring step and then stored at said storage step.

10. The communication quality acquisition method according to claim 8, wherein at said control step said synchronization step and measurement step are controlled based on the conditions set by the user for initial error detection check, re-synchronization of each mode, off-

track check and automatic re-synchronization check, or on information set for the code that will be measured.

11. The communication quality acquisition method
- 5 according to claim 8, wherein said control step controls said measurement step based on the synchronization point information acquired at said synchronization step.

12. The communication quality acquisition method
- 10 according to claim 8, wherein said control step controls said synchronization step based on the check results of initial error detection, automatic re-synchronization or off-track.